

# **Report**

**08/30/05**

## **1. Project Status:**

First phase of experiments is almost complete. I have to run the system for a few more days to conclude on the CO<sub>2</sub> stripping capability of the venturi.

## **2. pH Sensors:**

The sensors from Thornton that we have been using do not have any ground wire. Additionally, water pressure is more than the recommended maximum pressure. Either or both of the above could be the reason of unstable data.

I showed our system to a sales person from a different company (Endress & Hauser). He has recommended a model (CPS41) that has a continuous source of electrolyte to the sensor. According to him, the required minimum flow past the probe is 2 ml/min (less than a gallon per day). He is willing to let us try their sensor for 1~2 months before we decide to procure their sensor. I informed him that we have decided to use their sensors for trial. Sensors will arrive at APS in 2 weeks.

## **3. Website:**

I have requested Brian to create a link for our project on ME the group web. I also have given all my presentations and weekly reports to him to upload on the web page.